

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: §  
William F. Howard, et al. §  
§ Group Art Unit: 3672  
Serial No.: 10/648,815 §  
§  
Confirmation No.: 4562 §  
§ Examiner: Matthew J. Smith  
Filed: August 26, 2003 §  
§  
For: WELLBORE PUMPING WITH §  
IMPROVED TEMPERATURE §  
PERFORMANCE §  
§ Customer No.: 36735  
§  
§

MAIL STOP ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

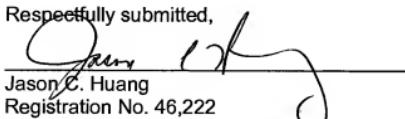
Dear Sir:

**SUBMISSION OF CORRECTED FORMAL DRAWINGS**

Attached please find three (3) substitute sheets of corrected formal drawings. The Examiner is requested to substitute these formal drawings for the drawings amended during the prosecution of the subject patent application. The submission of these formal drawings incorporate the changes in Figure 3.

Any comparison fee should be charged to Deposit Account No. 20-0782/WEAT/0313/JCH. If any additional informalities are identified by the Examiner, please contact the undersigned attorney at 713/623-4844.

Respectfully submitted,

  
\_\_\_\_\_  
Jason C. Huang  
Registration No. 46,222  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicants